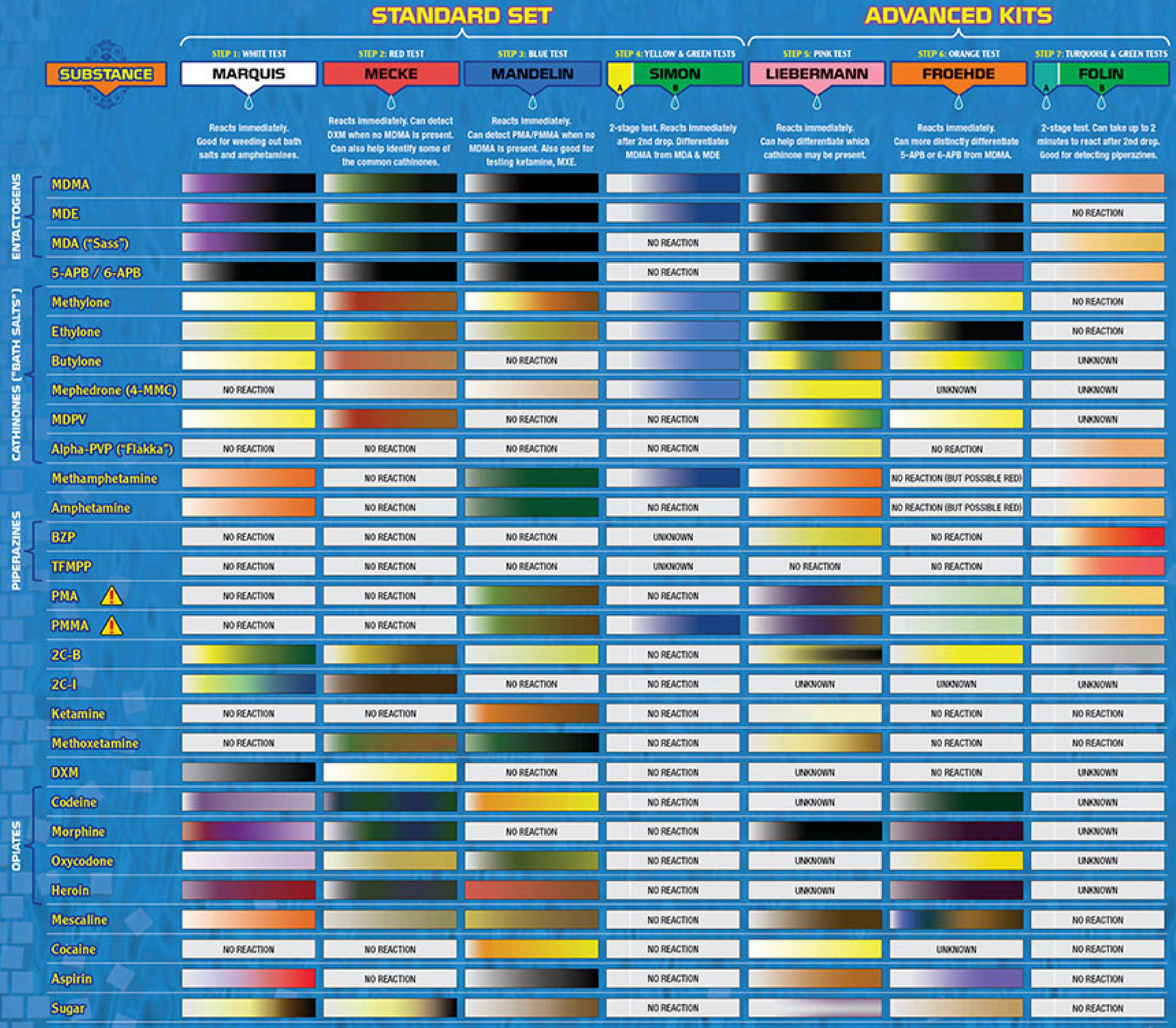
Сборник таблиц реакций



	SUBSTANCE	MARQUIS	MECKE	MANDELIN	SIMON	LIEBERMANN	FROEHDE	FOLIN
		STANDARD SET				ADVANCED KITS		
		STEP 1: WHITE TEST	STEP 2: RED TEST	STEP 3: BLUE TEST	STEP 4: YELLOW & GREEN TESTS	STEP 5: PINK TEST	STEP 6: ORANGE TEST	STEP 7: TURQUOISE & GREEN TESTS
		Reacts immediately. Good for weeding out bath salts and amphetamines.	Reacts immediately. Can detect DXM when no MDMA is present. Can also help identify some of the common cathinones.	Reacts immediately. Can detect PMA/PMMA when no MDMA is present. Also good for testing ketamine, MXE.	2-stage test. Reacts immediately after 2nd drop. Differentiates MDMA from MDA & MDE	Reacts immediately. Can help differentiate which cathinone may be present.	Reacts immediately. Can more distinctly differentiate 5-APB or 6-APB from MDMA.	2-stage test. Can take up to 2 minutes to react after 2nd drop. Good for detecting piperazines.
ENTACTOGENS	MDMA	🟪⬛	🟩⬛	⬜⬛	⬜🟦	⬜⬛🟫	🟨🟩⬛	⬜🟧
	MDE	🟪⬛	🟩⬛	⬜⬛	⬜🟦	⬜⬛🟫	🟨🟩⬛	NO REACTION
	MDA ("Sass")	🟪⬛	🟩⬛	⬜⬛	NO REACTION	⬜⬛🟫	🟨🟩⬛	⬜🟨
	5-APB / 6-APB	⬜⬛	⬜⬛	⬜⬛	NO REACTION	⬜⬛	⬜🟪	⬜🟧
CATHINONES ("BATH SALTS")	Methylone	⬜🟨	🟥🟫	⬜🟨🟫	⬜🟦	🟨⬛	⬜🟨	NO REACTION
	Ethylone	⬜🟨	🟨🟫	⬜🟫	⬜🟦	🟨⬛	🟨⬛	NO REACTION
	Butylone	⬜🟨	🟧🟫	NO REACTION	⬜🟦	🟨🟩🟫	🟨🟩	UNKNOWN
	Mephedrone (4-MMC)	NO REACTION	⬜🟫	⬜🟫	⬜🟦	⬜🟨	UNKNOWN	UNKNOWN
	MDPV	⬜🟨	🟥🟫	NO REACTION	NO REACTION	🟨🟩	⬜🟨	UNKNOWN
	Alpha-PVP ("Flakka")	NO REACTION	NO REACTION	NO REACTION	NO REACTION	⬜🟨	NO REACTION	⬜🟧
	Methamphetamine	⬜🟧	NO REACTION	🟩	⬜🟦	⬜🟧	NO REACTION (BUT POSSIBLE RED)	⬜🟧
	Amphetamine	⬜🟧	NO REACTION	🟩	NO REACTION	⬜🟧	NO REACTION (BUT POSSIBLE RED)	⬜🟧
PIPERAZINES	BZP	NO REACTION	NO REACTION	NO REACTION	UNKNOWN	⬜🟨	NO REACTION	⬜🟧🟥
	TFMPP	NO REACTION	NO REACTION	NO REACTION	UNKNOWN	NO REACTION	NO REACTION	⬜🟧🟥
	PMA ⚠	NO REACTION	NO REACTION	🟩🟫	NO REACTION	🟪🟫	⬜🟩	⬜🟨
	PMMA ⚠	NO REACTION	NO REACTION	🟩🟫	⬜🟦	🟪🟫	⬜🟩	⬜🟧
	2C-B	🟨🟩	🟩🟫	⬜🟨	NO REACTION	⬜⬛	🟨	⬜
	2C-I	🟨🟦	🟫	NO REACTION	NO REACTION	UNKNOWN	UNKNOWN	UNKNOWN
	Ketamine	NO REACTION	NO REACTION	🟧🟫	NO REACTION	⬜🟨	NO REACTION	NO REACTION
	Methoxetamine	NO REACTION	🟩🟫	🟩⬛	NO REACTION	⬜🟫	NO REACTION	NO REACTION
	DXM	⬜⬛	⬜🟨	NO REACTION	NO REACTION	UNKNOWN	NO REACTION	UNKNOWN
OPIATES	Codeine	🟪⬜	🟦⬛	🟧🟨	NO REACTION	UNKNOWN	🟩⬛	UNKNOWN
	Morphine	🟥🟪	🟩⬛	NO REACTION	NO REACTION	⬜⬛	🟪	UNKNOWN
	Oxycodone	⬜🟪	⬜🟨	⬜🟩	NO REACTION	UNKNOWN	⬜🟨	UNKNOWN
	Heroin	🟥	⬜🟩	🟥	NO REACTION	UNKNOWN	🟪⬛	UNKNOWN
	Mescaline	⬜🟧	⬜🟫	🟨🟫	NO REACTION	⬜🟫	🟦🟫	NO REACTION
	Cocaine	NO REACTION	NO REACTION	🟧🟨	NO REACTION	⬜🟨	UNKNOWN	NO REACTION
	Aspirin	⬜🟥	NO REACTION	⬜⬛	NO REACTION	⬜🟫	⬜🟪	NO REACTION
	Sugar	⬜🟫	⬜⬛	⬜🟫	NO REACTION	⬜🟪	⬜🟫	NO REACTION

⚠ **WARNING!** PMA & PMMA ARE EXTREMELY DANGEROUS ADULTERANTS! THEY ARE NOT RECREATIONAL DRUGS AND HAVE CAUSED HUNDREDS OF ACCIDENTAL DEATHS.

DanceSafe

ABOUT THE KITS:

There are hundreds of drugs being sold as "Molly" or "Ecstasy." Whether you have pressed tablets, crystals or powder, there is no way to tell what drug you have without testing it first. We have tried to include the more common drugs on this color chart, but the situation is constantly changing. Visit www.dancesafe.org/testing-kit-instructions for the most up-to-date version.

Different reagents are better than others for identifying specific drugs. Our "standard set" provides the best overall sequence for identifying MDMA. MANDELIN is the best for ketamine. EHRLICH's (shown on the back page) is the best for LSD. FROEHDE and LIEBERMANN can help identify some of the common cathinones.

WARNING! Reagents can only detect the presence of a substance. They cannot detect strength or purity.

ABOUT THE LIQUIDS:

MARQUIS and **MECKE** begin as clear liquids and gradually turn dark over a number of months. Even when the liquid is very dark inside the bottle, the reagents will still work so long as you are able to see the color reactions on a white ceramic plate.

Fresh **MANDELIN** starts out light orange in color and after 3-4 weeks will turn yellow and start to separate inside the bottle. Make sure and shake it before each use. Mandelin has a shelf life of about six months.

FOLIN has a natural, light orange tint when both liquids (A and B) are combined. Be careful not to confuse this with a positive reaction. For comparing the color change use a "blank" next to your sample on the plate.

*For **sugar** and **aspirin**, reactions can take up to two minutes. Aspirin reactions can vary with the brand.*

MARQUIS

MARQUIS
CORROSIVE

MARQUIS REAGENT
is the original DanceSafe testing kit. It remains the best single kit for testing **ECSTASY** or **MOLLY**. If you can only afford one, this is the kit to have. Keep in mind, however, Marquis reagent cannot distinguish between MDMA and MDA. You will need to use Simon's reagent in addition to Marquis in order to make that distinction.

SIMON

SIMON A
SIMON B
CORROSIVE

SIMON'S REAGENT
is a "secondary amine" test that can distinguish between **MDA** and **MDMA**, as well as amphetamine and methamphetamine. It is an important second step when testing ecstasy or molly. Simon's reagent should not be used alone. Always test your sample first with either Marquis or Mecke.

MECKE

MECKE
CORROSIVE

MECKE REAGENT
can be used as an alternative or in addition to Marquis reagent to test Ecstasy or Molly. Like Marquis reagent, however, Mecke cannot distinguish between **MDMA** and **MDA**. You will need to use the DanceSafe Simon's reagent in addition to Mecke (or Marquis) in order to make that further distinction. Mecke is also better than Marquis in identifying DXM.

MANDELIN

MANDELIN REAGENT
is primarily used to identify **KETAMINE**. It can also be used to identify **COCAINE**, **METH**, **AMPHETAMINE**, **MXE** and other substances. Can detect **PMA/PMMA** when no MDMA is present. Mandelin should not be used alone for testing ecstasy/molly.

FROEHDE

FROEHDE REAGENT
is an advanced testing kit and should NOT be used as a stand-alone kit for testing ecstasy or molly. Froehde's most important use is in identifying **5-APB** and **6-APB**, which react similarly to MDMA using the other reagents. Froehde may also be useful in identifying other new psychoactive substances.

LIEBERMANN

LIEBERMANN

LIEBERMANN REAGENT
is an advanced testing kit and should NOT be used as a stand-alone kit for testing ecstasy or molly. In conjunction with our other reagent kits, Liebermann can help identify certain **CATHINONES** ("bath salts") and other new psychoactive substances.

FOLIN

FOLIN (A)
FOLIN (B)
CORROSIVE

FOLIN REAGENT
is an advanced kit for detecting piperazines such as **BZP** and **TFMPP**. (Note: Folin can also distinguish MDMA from MDA, but the color changes are difficult to assess without samples of both right next to each other. It's better to use Simon's reagent instead.)

EHRLICH

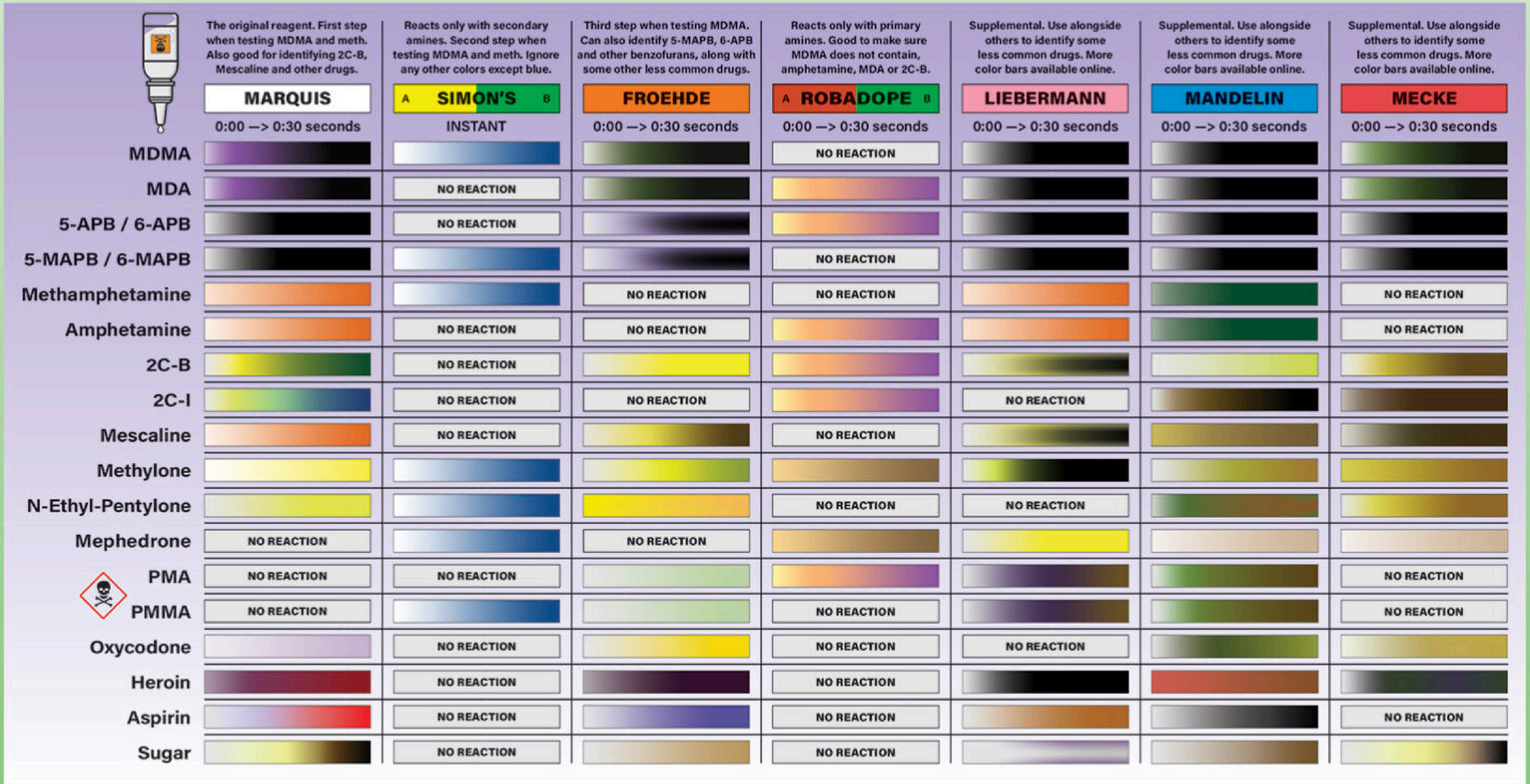
EHRLICH
FOR TESTING LSD

EHRLICH'S REAGENT
Use Ehrlich's reagent to test your **LSD** before you take it. Ehrlich's reagent can help rule out **25I-NBOME**, a highly toxic and extremely dangerous drug often misrepresented as LSD. You can use Ehrlic's reagent to test for other indoles too. The reaction is always the same.

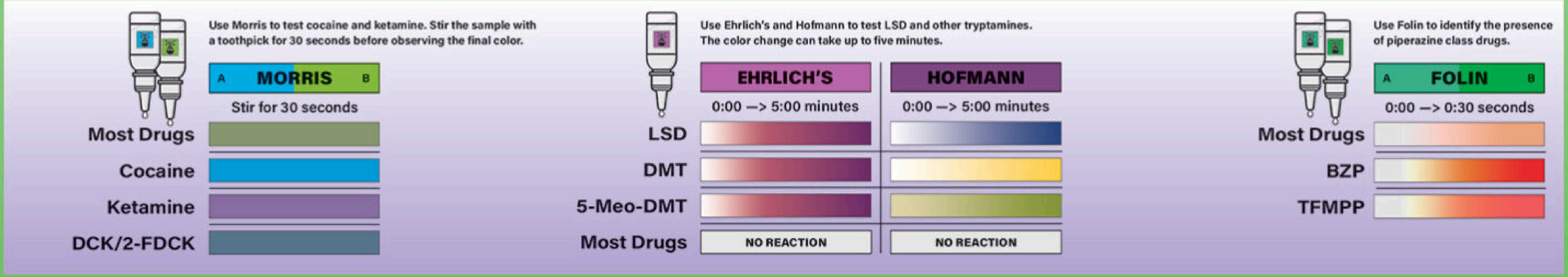
STANDARD DRUG CHECKING REAGENTS

For the presumptive identification of the presence of a suspected drug

GRASSROOTS HARM REDUCTION
GRASSROOTSHARMREDUCTION.ORG



	The original reagent. First step when testing MDMA and meth. Also good for identifying 2C-B, Mescaline and other drugs. **MARQUIS** 0:00 —> 0:30 seconds	Reacts only with secondary amines. Second step when testing MDMA and meth. Ignore any other colors except blue. **A SIMON'S B** INSTANT	Third step when testing MDMA. Can also identify 5-MAPB, 6-APB and other benzofurans, along with some other less common drugs. **FROEHDE** 0:00 —> 0:30 seconds	Reacts only with primary amines. Good to make sure MDMA does not contain, amphetamine, MDA or 2C-B. **A ROBADOPE B** 0:00 —> 0:30 seconds	Supplemental. Use alongside others to identify some less common drugs. More color bars available online. **LIEBERMANN** 0:00 —> 0:30 seconds	Supplemental. Use alongside others to identify some less common drugs. More color bars available online. **MANDELIN** 0:00 —> 0:30 seconds	Supplemental. Use alongside others to identify some less common drugs. More color bars available online. **MECKE** 0:00 —> 0:30 seconds
MDMA				NO REACTION			
MDA		NO REACTION					
5-APB / 6-APB		NO REACTION					
5-MAPB / 6-MAPB				NO REACTION			
Methamphetamine			NO REACTION	NO REACTION			NO REACTION
Amphetamine		NO REACTION	NO REACTION				NO REACTION
2C-B		NO REACTION					
2C-I		NO REACTION	NO REACTION		NO REACTION		
Mescaline		NO REACTION		NO REACTION			
Methylone							
N-Ethyl-Pentylone				NO REACTION	NO REACTION		
Mephedrone	NO REACTION		NO REACTION				
PMA	NO REACTION	NO REACTION					NO REACTION
PMMA	NO REACTION			NO REACTION			NO REACTION
Oxycodone		NO REACTION		NO REACTION	NO REACTION		
Heroin		NO REACTION		NO REACTION			
Aspirin		NO REACTION		NO REACTION			NO REACTION
Sugar		NO REACTION		NO REACTION			



Use Morris to test cocaine and ketamine. Stir the sample with a toothpick for 30 seconds before observing the final color.

	A MORRIS B Stir for 30 seconds
Most Drugs	
Cocaine	
Ketamine	
DCK/2-FDCK	

Use Ehrlich's and Hofmann to test LSD and other tryptamines. The color change can take up to five minutes.

	EHRLICH'S 0:00 —> 5:00 minutes	**HOFMANN** 0:00 —> 5:00 minutes
LSD		
DMT		
5-Meo-DMT		
Most Drugs	NO REACTION	NO REACTION

Use Folin to identify the presence of piperazine class drugs.

	A FOLIN B 0:00 —> 0:30 seconds
Most Drugs	
BZP	
TFMPP	

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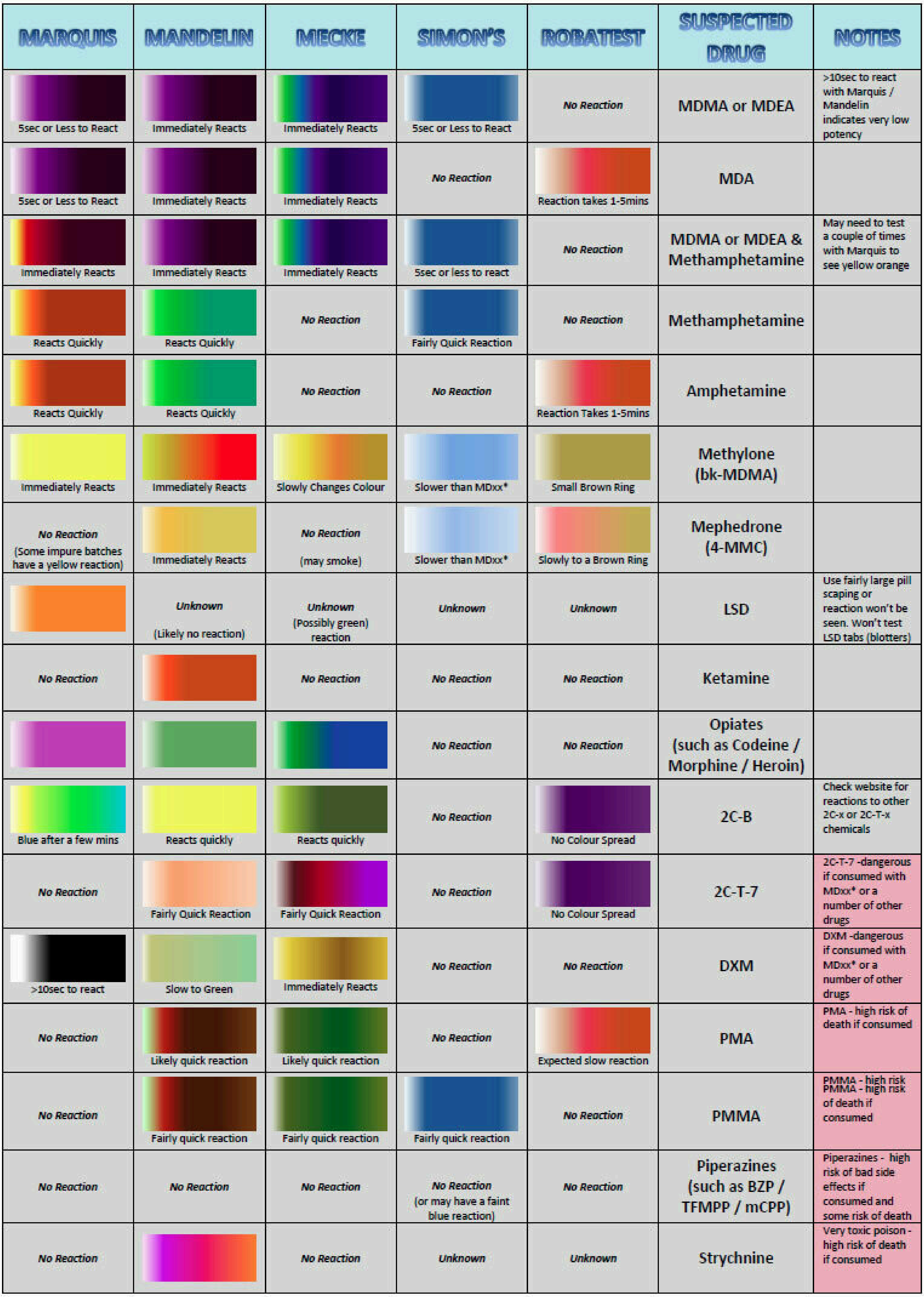
GrassrootsHarmReduction.org



MARQUIS	MANDELIN	MECKE	SIMON'S	ROBATEST	SUSPECTED DRUG	NOTES
🟪 5sec or Less to React	🟪 Immediately Reacts	🟪 Immediately Reacts	🟦 5sec or Less to React	*No Reaction*	MDMA or MDEA	>10sec to react with Marquis / Mandelin indicates very low potency
🟪 5sec or Less to React	🟪 Immediately Reacts	🟪 Immediately Reacts	*No Reaction*	🟧 Reaction takes 1-5mins	MDA	
🟥 Immediately Reacts	🟪 Immediately Reacts	🟪 Immediately Reacts	🟦 5sec or less to react	*No Reaction*	MDMA or MDEA & Methamphetamine	May need to test a couple of times with Marquis to see yellow orange
🟧 Reacts Quickly	🟩 Reacts Quickly	*No Reaction*	🟦 Fairly Quick Reaction	*No Reaction*	Methamphetamine	
🟧 Reacts Quickly	🟩 Reacts Quickly	*No Reaction*	*No Reaction*	🟧 Reaction Takes 1-5mins	Amphetamine	
🟨 Immediately Reacts	🟥 Immediately Reacts	🟫 Slowly Changes Colour	🟦 Slower than MDxx*	🟫 Small Brown Ring	Methylone (bk-MDMA)	
No Reaction (Some impure batches have a yellow reaction)	🟨 Immediately Reacts	*No Reaction* (may smoke)	🟦 Slower than MDxx*	🟫 Slowly to a Brown Ring	Mephedrone (4-MMC)	
🟧	*Unknown* (Likely no reaction)	*Unknown* (Possibly green) reaction	*Unknown*	*Unknown*	LSD	Use fairly large pill scaping or reaction won't be seen. Won't test LSD tabs (blotters)
No Reaction	🟧	*No Reaction*	*No Reaction*	*No Reaction*	Ketamine	
🟪	🟩	🟦	*No Reaction*	*No Reaction*	Opiates (such as Codeine / Morphine / Heroin)	
🟩 Blue after a few mins	🟨 Reacts quickly	🟩 Reacts quickly	*No Reaction*	🟪 No Colour Spread	2C-B	Check website for reactions to other 2C-x or 2C-T-x chemicals
No Reaction	🟧 Fairly Quick Reaction	🟥 Fairly Quick Reaction	*No Reaction*	🟪 No Colour Spread	2C-T-7	2C-T-7 -dangerous if consumed with MDxx* or a number of other drugs
⬛ >10sec to react	🟩 Slow to Green	🟫 Immediately Reacts	*No Reaction*	*No Reaction*	DXM	DXM -dangerous if consumed with MDxx* or a number of other drugs
No Reaction	🟫 Likely quick reaction	🟩 Likely quick reaction	*No Reaction*	🟧 Expected slow reaction	PMA	PMA - high risk of death if consumed
No Reaction	🟫 Fairly quick reaction	🟩 Fairly quick reaction	🟦 Fairly quick reaction	*No Reaction*	PMMA	PMMA - high risk PMMA - high risk of death if consumed
No Reaction	*No Reaction*	*No Reaction*	*No Reaction* (or may have a faint blue reaction)	*No Reaction*	Piperazines (such as BZP / TFMPP / mCPP)	Piperazines - high risk of bad side effects if consumed and some risk of death
No Reaction	🟥	*No Reaction*	*Unknown*	*Unknown*	Strychnine	Very toxic poison - high risk of death if consumed

EVEN USING THIS CHART THE REACTIONS MAY LOOK THE SAME FOR SOME DIFFERENT MIXTURES OF DRUGS AND OR IMPURITIES!

Please check pillreports.com and ecstasydata.org to see if there are any reports on your pill.

MDxx + Piperazines – will appear same reaction as normal MDxx pill. High risk of bad side effects if consumed and some risk of death.

***MDxx – means MDMA or similar substance such as MDEA or MDA** **CHART CREATED IN THE INTERESTS OF HARM REDUCTION**

EXPECTED 2C-X, METH/AMPHETAMINE OR MDMA TEST RESULTS:

(1) **MARQUIS** REAGENT

If testing MDMA pay most attention to how instant is the black color change, exact hue can vary a little.

- MDMA / MDA / 5-MAPB / 6-APB
- 2C-B/C/H/I / 2C-B-FLY
- 2C-B-FLY
- CATHINONES
- METH/AMPHETAMINE / 2-FMA
- BZP / CATHINONES / COCAINE / CAFFEINE / IBUPROFEN / KETAMINE

(NO COLOR CHANGE)

(2) **MECKE** REAGENT

Can look blueish with MDxx. Turns black much faster than Marquis if MDxx is cut with meth/amphetamine.

- MDMA / MDA
- EUTYLONE
- 2C-B / 2C-B-FLY
- 2C-B-FLY / 2C-I / 6-APDB
- METHAMPHETAMINE / BZP / CATHINONES / DXM
- AMPHETAMINE / COCAINE / CATHINONES / KETAMINE

(NO COLOR CHANGE)

(3) **SIMON'S** A+B REAGENT

Simon's reagent instantly turns blue with MDMA, meth or PMMA but rather gradually with cathinones.

- MDMA / METH / PMMA / CATHINONES
- MDA / OTHER SUBSTANCES

(NO BLUE COLOR CHANGE)

(4) **ROBADOPE** A+B REAGENT

Robadope reagent slowly turns pink with all primary amines, even if other substances are present.

- **MDMA** / OTHER SUBSTANCES

(NO PINK COLOR CHANGE)

- **MDA** / 2C-x / AMPHETAMINE / PMA / TAURINE

(AND ALL OTHER PRIMARY AMINES)

(5) **ZIMMERMANN** A+B REAGENT

Zimmermann reagent can detect benzodiazepines and most of cathinones, even mixed in other substances.

- **MDMA** / AMPHETAMINE / EUTYLONE / HEX-EN / NEP

(NO COLOR CHANGE OR LIGHT YELLOW)

- MMC / CEC / CMC / METHYLONE

(ALL PURPLISH OR PURPLE SPOTS IN BROWN)

- BENZODIAZEPINES

(FAINT GREY/BLUE OR PURPLE)

EXPECTED COCAINE TEST RESULTS:

(1) **ROBADOPE** A+B REAGENT

Robadope reagent slowly turns pink with all primary amines, even if other substances are present.

- COCAINE

(NO PINK COLOR CHANGE)

- 2C-x / AMPHETAMINE / MDA / PMA / TAURINE

(AND ALL OTHER PRIMARY AMINES)

(2) **SIMON'S** A+B REAGENT

Simon's reagent instantly turns blue with all secondary amines, even if other substances are present.

- COCAINE

(NO BLUE COLOR CHANGE)

- MDMA / METH / PMMA / CATHINONES

(AND ALL OTHER SECONDARY AMINES)

(3) **MECKE** REAGENT

Can look blueish with MDxx. Turns black much faster than Marquis if MDxx is cut with meth/amphetamine.

- CATHINONES / LIDOCAINE / METHAMPHETAMINE
- EUTYLONE
- COCAINE / AMPHETAMINE / ASPIRIN / CATHINONES / EPHEDRINE / LEVAMISOLE

(NO COLOR CHANGE)

- MDMA / MDA

(4) **LIEBERMANN** REAGENT

If the reaction is only faintly orange it can idicate presence of natural coca plant extraction impurities.
To confirm presence of meth/amphetamine Liebermann AND Simon's/Robadope need to test positive.

- COCAINE
- EUTYLONE / COCA PLANT IMPURITIES
- EPHEDRINE / LIDOCAINE / LEVAMISOLE / METH/AMPHETAMINE
- MDMA / MDA
- PHENACETIN

(5) **EHRLICH** REAGENT

Main test for psychedelics, however also suitable for ruling out the presence of secondary „caines".

- COCAINE

(NO COLOR CHANGE)

- LIDOCAINE
- BENZOCAINE / PROCAINE

(6) **MORRIS** A+B REAGENT

Use just this much sample -> ●. After adding part B stir for 30 seconds using the included spatula.
If you use too little sample cocaine won't react. If you use too much ketamine can look dark blue.

- COCAINE

(BRIGHT BLUE)

- CATHINONES / KETAMINE

(VIOLET OR VIOLET BLUE)

- ALMOST ALL SUBSTANCES

(PALE GREEN)

EXPECTED KETAMINE TEST RESULTS:

(1) **MECKE** REAGENT

Mecke is one of primary tests for powders. It can detect cuts in cocaine, ketamine and methamphetamine.

- **KETAMINE** / 2-FDCK / 2-Oxo-PCE / 3-Me-PCP / DMXE / FXE / N-Ethyl-Ketamine

(NO COLOR CHANGE)

- 3-MeO-PCP
- 3-MeO-PCE
- 2-MeO-KETAMINE
- DCK / MXE / 4-MeO-PCP

(2) **FROEHDE** REAGENT

Froehde is one of primary tests for powders. It can detect cuts in cocaine, ketamine and amphetamines.

- **KETAMINE** / 2F-DCK / DMXE / FXE / MXE / 2-MeO-Ketamine / 2-Fluoro-2-Oxo-PCE / 2-Oxo-PCE / 3-MeO-PCE / 3-MeO-PCP

(NO COLOR CHANGE)

- 4-MeO-PCP / DCK
- SYNTHESIS IMPURITY

(3) **LIEBERMANN** REAGENT

Liebermann with ketamine does not change color OR turns yellowish, but with a big sample (5+ mg).

- **KETAMINE** / DCK / FXE
- 3-Me-PCP / DMXE
- **KETAMINE** / 2-FDCK / 2-Fluoro-2-Oxo-PCE / 2-Oxo-PCE

(NO COLOR CHANGE)

- 2-MeO-Ketamine / 3-MeO-PCE / 3-MeO-PCP / 4-MeO-PCP / MXE

(4) **MORRIS** A+B REAGENT

Use just this much sample -> ●. After adding part B stir for 30 seconds using the included spatula.
If you use too much sample then ketamine can look dark blue. If you use too little cocaine won't react.

- KETAMINE / CATHINONES

(VIOLET OR VIOLET BLUE)

- KETAMINE / DCK / 2-FDCK

(DARK BLUE / GRAY)

- FXE / COCAINE

(BRIGHT BLUE)

- MOST SUBSTANCES OR 5+ MG OF A CATHINONE

(PALE GREEN)

EXPECTED MEPHEDRONE / CATHINONES TEST RESULTS:

(1) **MARQUIS** REAGENT

Marquis should not change color with MMC, however a common synthesis impurity can turn it yellow.

- **MMC** / ETHYLONE / METHYLONE / CYPUTYLONE / DIPENTYLONE / EPHYLONE / EUTYLONE / MDPV / N-Ethyl-buphedrone / N-Ethylpentylone
- **MMC** / CBC / CEC / CMC / 4F-PHP / a-PHP / a-PIHP / a-PVP /HEX-EN / METHEDRONE / MPHP / N-Propylpentedrone / NEB / NEP

(NO COLOR CHANGE)

(2) **FROEHDE** REAGENT

Froehde is one of primary tests for powders. It can detect cuts in cocaine, ketamine and amphetamines.

- **MMC** / CBC / CEC / CMC / 4F-PHP / a-PIHP / METHEDRONE / MPHP / NEB / NEP

(NO COLOR CHANGE)

- SYNTHESIS IMPURITY
- a-PHP / a-PVP / HEX-EN / MDPV / METHYLONE
- CYPUTYLONE / DIPENTYLONE / EPHYLONE / ETHYLONE / N-Ethylpentylone

(GREEN OR DARK GREEN)

- EUTYLONE

(3) **SIMON'S** A+B REAGENT

Simon's reagent gradually turns blue with cathinones but instantly with MDMA, meth or PMMA.

- **MMC** / CEC / CMC / CBC / EPHYLONE / EUTYLONE / METHYLONE / METHEDRONE / MDMA / METH / PMMA

(AND ALL OTHER SECONDARY AMINES)

- a-PHP / a-PIHP / a-PVP / CYPUTYLONE / HEX-EN / MDPV / MPHP / OTHER SUBSTANCES

(NO BLUE COLOR CHANGE)

(4) **ZIMMERMANN** A+B REAGENT

The purple / brown reaction can appear either all purple or as purple spots in a brown puddle.

- MMC / CEC / CMC / METHYLONE
- 4F-PHP / a-PHP / a-PIHP / a-PVP / MDPV / MPHP
- CBC / EPHYLONE / EUTYLONE / HEX-EN / N-Ethylbuphedrone / N-Ethylpentylone / NEP

(NO COLOR CHANGE OR FAINT YELLOW)

(5) **MORRIS** A+B REAGENT

Use just this much sample -> ●. After adding part B stir for 30 seconds using the included spatula.
Incorrect sample size can cause a false negative. In case of a negative result try different sample size.

- MMC / CEC / CMC / NEP
- HEX-EN

(DARK BLUE / GRAY)

- ALMOST ALL SUBSTANCES OR 5+ MG OF A CATHINONE

(PALE GREEN)

EXPECTED OPIOIDS TEST RESULTS:

(1) **MARQUIS** REAGENT

Marquis is the most common test for amphetamines, cocaine, MDxx, opioids and other substances.

- **HEROIN** / CODEINE / HYDROCODONE / HYDROMORPHONE / MORPHINE / OXYCODONE
- ETAZENE / FENTANYL
- OXYCODONE / ETONITAZEPYNE / METONITAZENE

(NO COLOR CHANGE)

- O-DSMT

(2) **MECKE** REAGENT

Can look blueish with MDxx. Turns black much faster than Marquis if MDxx is cut with meth/amphetamine.

- HEROIN / CODEINE / MORPHINE
- O-DMST / OXYCODONE
- HYDROCODONE
- DXM / ETAZENE / FENTANYL / O-DSMT / CATHINONES / PROTONITAZENE
- ETONITAZEPYNE / OXYCODONE

(NO COLOR CHANGE)

- ETAZENE / FURANYLFENTANYL

(3) **FROEHDE** REAGENT

Froehde is one of primary tests for powders. It can detect cuts in cocaine, ketamine and amphetamines.

- HEROIN / MORPHINE
- CODEINE
- O-DSMT
- HYDROCODONE

(NO COLOR CHANGE)

- OXYCODONE / ETONITAZEPYNE / METONITAZEPYNE

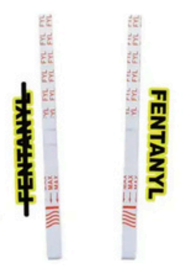
EXPECTED BENZODIAZEPINES TEST RESULTS:

(1) **ZIMMERMANN** A+B REAGENT

Use 1/4th of a pill crushed to fine powder for testing. Observe for at least 5 minutes.
Note that the Zimmermann reagent is not suitable for testing pills of any other color than white.

- ALPRAZOLAM / BROMAZEPAM / BROMAZOLAM / CLONAZOLAM / DIAZEPAM / DICLAZEPAM / ETIZOLAM / FLUALPRAZOLAM / FLUBROMAZEPAM / FLUDIAZEPAM / FLUNITRAZEPAM / FLURAZEPAM / OXYCODONE / PYRAZOLAM / TRIAZOLAM (BLUEISH, VIOLET OR PURPLE)
- CLONAZEPAM / NITRAZEPAM
- FLUBROMAZOLAM / LORAZEPAM / MIDAZEPAM / TEMAZEPAM (NO COLOR CHANGE)

EXPECTED TEST STRIP RESULTS:



Fentanyl Fest Strip can detect fentanyl even if it is not pure, but mixed in your substance.
If testing a benzo or opioid pill (not stimulants) it's possible to test baggy residue instead of more sample.

Dissolve 100 mg of a sample in 200 ml of water. Dip the test strip no higher than the thick line.
Wait 15 seconds. Put the strip away and check in 5 minutes. 1 line = fentanyl, 2 lines = no fentanyl.

If testing a pill, crush one in a plastic baggie and dump out the powder. Then add ten drops of water into the baggie and mix well. Dip the test strip no higher than the thick line. Wait 15 seconds. Put the strip away and check in 5 minutes. 1 line = fentanyl, 2 lines = no fentanyl. **Faint lines also count.**

EXPECTED LSD TEST RESULTS:

(1) **EHRLICH** REAGENT (FOR LSD DERIVATIVES ADD 1 DROP OF SIMON'S B)

Warm up to room temperature for 3 hours before use. Observe for up to 1 hour.
Even if only sample turns purplish that still counts as a positive result. Not suitable for gel tabs.

- **LSD** / AL-LAD / ETH-LAD / HYDROLIZED 1B/CP/D/V-LSD 5-HTP / OTHER INDOLES
- OTHER

(NO PURPLISH OR REDDISH COLOR CHANGE)

(2) **HOFMANN** REAGENT (FOR LSD DERIVATIVES ADD 1 DROP OF SIMON'S B)

Observe for up to 1 hour. If only sample changes color that is still a positive result. Purplish is also a positive.

- **LSD** / ETH-LAD / HYDROLIZED 1P/CP/D/V-LSD
- 5-HTP / OTHER
- OTHER

(NO BLUEISH OR PURPLISH COLOR CHANGE)

USE TESTS (3) AND (4) ONLY IF (1) AND (2) DID NOT INDICATE LSD

Even if only sample turned purplish or blueish that counts as a positive test result.

(3) **MARQUIS** REAGENT

This reagent is highly corrosive, do not mistake slowly burning paper with instant NBOME color change.

- DOC / DOI
- 1V-LSD / 1P-LSD / ALD-52 (WHITE BLOTTERS)
- 25C-NBOH / 25C/D/G/T-NBOMe
- 25B-NBOMe / 25I-NBF / 25I-NBMD / DOB
- 25IP-NBOMe / 25N-NBOMe
- 25H/I-NBOMe / 25I-NBOH
- 25C-NB3OMe / 25C-NBF
- 25E-NBOMe
- DMT (NOT FOUND ON BLOTTERS)

(4) **MECKE** REAGENT

This reagent is highly corrosive, do not mistake slowly burning paper with instant NBOME color change.

- 25E-NBOMe / 25IP-NBOMe
- DOC / DOM
- 25I-NBOH / 25G/I/N-NBOMe
- 25B/25C/25D-NBOMe / 25C-NB3OMe / 25C-NBOH
- 25H-NBOMe
- 25I-NBOMe / 25I-NBF / 25I-NBMD
- 25T-NBOMe
- DOI
- DMT / DET (NOT FOUND ON BLOTTERS)

EXPECTED DMT TEST RESULTS:

(1) **EHRLICH** REAGENT

Warm up to room temperature for at least 3 hours before use.
Observe for up to 1 hour. Even if only sample turns purplish that still counts as a positive result.

- DMT / TRYPTOPHAN / MELATONIN
- **LSD** / AL-LAD / ETH-LAD / HYDROLIZED 1B/CP/D/V-LSD 5-HTP / OTHER INDOLES
- HARMALINE
- OTHER

(NO PURPLISH OR REDDISH COLOR CHANGE)

(2) **HOFMANN** REAGENT

Observe about 1 minute, it is normal for the yellow color change to turn darker after the initial 1 minute.

- **DMT** / DET / DOM / DPT / NMT HARMALINE / MELATONIN / TRYPTOPHAN
- LSD / 1V-LSD (faint) / ETH-LAD
- 5-MeO-DMT (Freebase) / 5-MeO-DALT / 5-HTP
- 4-HO-MET / GRAMINE
- 5-MeO-DMT (HCl) / 5-MeO-MiPT (HCl)
- OTHER

(NO COLOR CHANGE)

(3) **MARQUIS** REAGENT

If your sample is too big, the DMT color change reaction can look brown, or even very dark brown.

- DMT
- 4-HO-MET / 5-MeO-DALT / 5-MeO-DMT / DET / DPT
- 4-HO-MET / 4-HO-MIPT
- NMT / SCOPOLAMINE
- DOC / DOI
- DOM

(NO COLOR CHANGE)

(4) **MECKE** REAGENT

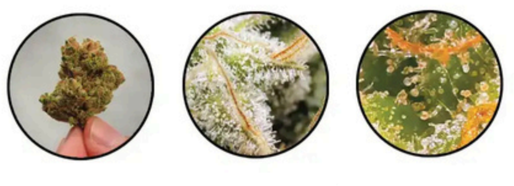
Mecke reagent with DMT can look green or brown depending on the applied sample and reagent size.

- DMT / DET
- 4-AcO-MET / 4-HO-MET / 4-HO-MIPT / GRAMINE
- DOC / DOM
- HARMALINE
- 5-MeO-DALT/DMT/MIPT
- DPT

EXPECTED CANNABIS TEST RESULTS:

(1) **MAGNIFYING GLASS**

Inspect if your flower has typical for cannabis white or brownish „hairs" (pistills) and crystals (trichomes):



Ratio of amber trichomes suggests how much of THC has oxidized into CBN.

(2) **CANNABIS A+B** REAGENT

To a very small sample (under 2-3 mg, about this much -> ●) add 1 drop of Cannabis A and 1 drop of B.

- THC > CBD
  Your sample is THC dominant
- CBD > THC
  Your sample is CBD dominant.
  If it has strong effects it is likely adulterated!
- Different result?
  Rule out a false negative result by using more Cannabis B or much smaller sample.
  If result remains negative then your sample does not contain THC or CBD, throw it out!

(3) **ZIMMERMANN A+B (BEAM)** REAGENT

To a very small sample (●) add 1 drop of Zimmermann A and 1 drop of B. Wait to air-dry. Inspect residue.

- >1% CBD
- <1% CBD

(4) **ZIMMERMANN A+B (BEAM)** REAGENT

To very small samples (●) add 1 drop of part A and 1 of B at the same time. Compare for 5-10 minutes.

- >1% CBD
  Faster purple = more CBD